

# PRODUCT DATASHEET LED Base PIN 10 320° 0.9W 827 Clear G4

LED BASE PIN G4 12 V | Special LED lamps



#### Areas of application

- Atmospheric accent lighting throughout the home
- Shops, hotels and restaurants
- Foyers, offices
- Outdoor use in suitable outdoor luminaires only

#### **Product benefits**

- Lower energy consumption than incandescent or halogen lamps
- Ideal for decorative and free-burning applications

#### Product features

- LED alternative to conventional low voltage lamps
- Mercury-free lamps





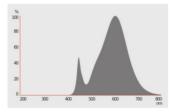
## TECHNICAL DATA

## Electrical data

Nominal wattage	0.9 W
Construction wattage	0.90 W
Nominal voltage	12 V
Operating mode	12V AC/DC
Claimed equiv. conventional lamp power	10 W
Nominal current	130 mA
Type of current	AC/DC
Inrush current	12.3 A
Max. lamp number on MCB B10 A	48
Max. lamp number on MCB B16 A	61
Total harmonic distortion	< 150 %
Power factor $\lambda$	> 0.50

## Photometrical data

Luminous flux	100 lm
Nominal useful luminous flux 90°	100 lm
Luminous efficacy	111 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



349927\_2700K\_Evl\_5630.eps

# Light technical data

Beam angle	320 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

# Dimensions & Weight

Overall length	33.00 mm
Diameter	12 mm
Maximum diameter	12 mm
Product weight	2.6 g

## Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	85 °C

# Lifespan

Lifespan L70/B50 at 25 °C	10000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

## Additional product data

Base (standard designation)	G4
Mercury content	0.0 mg
Mercury-free	Yes
Design / version	Clear

March 24, 2025, 17:19:42 LED Base PIN 10 320° 0.9W 827 Clear G4

Dimmable  No  Pertificates & Standards  Energy efficiency class  Energy consumption  1.00 kWh/1000h  Type of protection  IP20  Standards  CE / EAC  Photobiological safety group acc. to EN62778  RG1  Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  ILCOS  DRT/C-0,9/827-220-240-G4-12/33  Order reference  LEDBASEPIN10 CL	Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value
Energy efficiency class F1)  Energy efficiency class F1)  Energy consumption 1.00 kWh/1000h  Type of protection IP20  Standards CE / EAC  Photobiological safety group acc. to EN62778 RG1  Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  ILCOS DRT/C-0,9/827-220-240-G4-12/33  UCOS DRT/C-0,9/827-220-240-G4-12/33  Order reference LEDBASEPIN10 CL  COGISTICAL DATA  Temperature range at storage -20480 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used LED  Non-directional or directional NDLS  Mills  Light source cap-type (or other electric interface) G4  Connected light source (CLS) No  Color-tuneable light source (CLS) No  Color-tuneable light source (No  Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  Standby power OX	Capabilities	
Energy efficiency class  Energy consumption  1.00 kWh/1000h  Type of protection  Protection  Photobiological safety group acc. to EN62778  RG1  Energy efficiency class (EEC) on a scale of A (tighest efficiency) to G (towest efficiency)  Country-specific categorizations  LCOS  DRT/C-0,9/827-220-240-G4-12/33  Order reference  LEDBASEPIN10 CL  COISTICAL DATA  Temperature range at storage  -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  LED  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Coicor-tuneable light source (CLS)  No  Color-tuneable light source  Envelope  No  Anti-glare shield  No  Correlated colour temperature type  Stindle_value  Sindle_value	Dimmable	No
Energy consumption 1.00 kWh/1000h Type of protection IP20 Standards CE / EAC Photobiological safety group acc. to EN62778 RG1  Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  ILCOS DRT/C-0,9/827-220-240-G4-12/33  Order reference LEDBASEPIN10 CL  CGISTICAL DATA  Temperature range at storage -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used LED Non-directional or directional NDLS  Mains or non-mains NMLS  Light source cap-type (or other electric interface) G4  Connected light source (CLS) No  Color-tuneable light source Envelope No  High luminance light source No  Anti-glare shield No  Correlated colour temperature type StinGLE_VALUE  Standby power	Certificates & Standards	
Type of protection IP20 Standards CE / EAC Photobiological safety group acc. to EN62778 RG1  Energy efficiency class (EEC) on a scale of A (highest efficiency) to Q (lowest efficiency)  Country-specific categorizations  ILCOS DRT/C-0,9/827-220-240-G4-12/33  Order reference LEDBASEPIN10 CL  COGISTICAL DATA  Temperature range at storage -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used LED Non-directional or directional NDLS  Mains or non-mains NMLS  Light source cap-type (or other electric interface) G4  Connected light source (CLS) No Color-tuneable light source (CLS) No High luminance light source No Anti-glare shield No Correlated colour temperature type StingLE_VALUE  Standby power O W G1  Standby power O Q1  Standby power O Q2  Stan	Energy efficiency class	F 1)
Standards CE / EAC  Photobiological safety group acc. to EN62778 RG1  Photobiological safety group acc. to EN62779 RG1  Photobiological safety group acce.  Photobiological safety group acce.  Photobiological safety group acce.  Photobiological safety group acce.  Photosical RG1  Photobiological safety group acce.  Photosical RG1  Photosical RG1	Energy consumption	1.00 kWh/1000h
Photobiological safety group acc. to EN62778 RG1  Pergy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  ILCOS DRT/C-0,9/827-220-240-G4-12/33  Order reference LEDBASEPIN10 CL  OGISTICAL DATA  Temperature range at storage -20+80 °C  inergy labelling regulation data acc EU 2019/2015  Lighting technology used LED  Non-directional or directional NDLS  Mains or non-mains NMLS  Light source cap-type (or other electric interface) G4  Connected light source (CLS) No  Color-tuneable light source  Envelope No  Anti-glare shield No  Correlated colour temperature type StinGLE_VALUE  Standby power	Type of protection	IP20
Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  ILCOS  DRT/C-0,9/827-220-240-G4-12/33  Order reference  LEDBASEPIN10 CL  OGISTICAL DATA  Temperature range at storage  -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  LED  Non-directional or directional  NDLS  Mains or non-mains  NMLS  Light source cap-type (or other electric interface)  Gold-tuneable light source  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  Standby power  ORITICA-0,9/827-220-240-G4-12/33  DRT/C-0,9/827-220-240-G4-12/33  DRT/C-0,9/827-220-240-G4-12/	Standards	CE / EAC
DRT/C-0.9/827-220-240-G4-12/33 Order reference LEDBASEPIN10 CL  OGISTICAL DATA  Temperature range at storage -20+80 °C  inergy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional NDLS Mains or non-mains NMLS Light source cap-type (or other electric interface) Connected light source (CLS) No Color-tuneable light source No High luminance light source No Anti-glare shield No Correlated colour temperature type Standby power  Order teference LED No Correlated colour temperature type Standby power  OW  DRT/C-0.9/827-220-240-G4-12/33  LEDBASEPIN10 CL  LED NDLS  NOLS  NOLS  NOLS  NOLS  SINGLE_VALUE Standby power	Photobiological safety group acc. to EN62778	RG1
Temperature range at storage  -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  NMLS  Light source cap-type (or other electric interface)  G4  Connected light source (CLS)  No  Color-tuneable light source  No  Envelope  No  Anti-glare shield  No  Correlated colour temperature type  Standby power  OLED  -20+80 °C  -20+20 °	ILCOS	DRT/C-0,9/827-220-240-G4-12/33
ColSTICAL DATA  Temperature range at storage -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used LED  Non-directional or directional NDLS  Mains or non-mains NMLS  Light source cap-type (or other electric interface) G4  Connected light source (CLS) No  Color-tuneable light source No  Envelope No  High luminance light source No  Anti-glare shield No  Correlated colour temperature type Standby power  OW		DRT/C-0,9/827-220-240-G4-12/33
Temperature range at storage  -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Non-directional or directional  Mains or non-mains  NMLS  Light source cap-type (or other electric interface)  G4  Connected light source (CLS)  No  Color-tuneable light source  No  Envelope  No  Anti-glare shield  No  Correlated colour temperature type  Standby power  OW		I EDD A OEDINA O OL
Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Non-mains  NMLS  Light source cap-type (or other electric interface)  Connected light source (CLS)  No  Color-tuneable light source  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  Standby power  LED  LED  NDLS  NMLS  ANDLS  ANDLS  NMLS  ANDLS  NO  SAME  SAME  SAME  SINGLE_VALUE  STANDBY DATE  SINGLE_VALUE	Order reference	LEDBASEPIN10 CL
Lighting technology used  Non-directional or directional  Non-directional or directional  Mains or non-mains  NMLS  Light source cap-type (or other electric interface)  Connected light source (CLS)  No  Color-tuneable light source  No  Envelope  No  High luminance light source  Anti-glare shield  No  Correlated colour temperature type  Standby power  LED  NDLS  NDLS  NMLS  G4  No  No  Single_VALUE  Standby power	Order reference  OGISTICAL DATA	LEDBASEPIN10 CL
Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  No  Color-tuneable light source  No  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  Standby power  No  No  No  Standby power	OGISTICAL DATA	
Mains or non-mains  NMLS  Light source cap-type (or other electric interface)  Connected light source (CLS)  No  Color-tuneable light source  No  Envelope  No  High luminance light source  Anti-glare shield  Correlated colour temperature type  Standby power  NMLS  No  No  SWALE_VALUE  Standby power	OGISTICAL DATA  Temperature range at storage	
Light source cap-type (or other electric interface)  Connected light source (CLS)  No  Color-tuneable light source  No  Envelope  No  High luminance light source  No  Anti-glare shield  Correlated colour temperature type  Standby power  G4  No  No  No  No  SINGLE_VALUE  O W	OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015	-20+80 °C
Connected light source (CLS)  No  Color-tuneable light source  No  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  Standby power  No  No  Standby power	OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used	-20+80 °C
Color-tuneable light source  Envelope  No  High luminance light source  Anti-glare shield  Correlated colour temperature type  Standby power  No  No  SinGLE_VALUE	OGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional	-20+80 °C  LED  NDLS
Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W	Concentration of the control of the	-20+80 °C  LED  NDLS  NMLS
High luminance light source  Anti-glare shield  No  Correlated colour temperature type  Standby power  O W	COGISTICAL DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)	-20+80 °C  LED  NDLS  NMLS  G4
Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  Standby power 0 W	OGISTICAL DATA  Temperature range at storage  Inergy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)	-20+80 °C  LED  NDLS  NMLS  G4  No
Correlated colour temperature type  SINGLE_VALUE  0 W	Connected light source  Congistical Data  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source	-20+80 °C  LED  NDLS  NMLS  G4  No  No
Standby power 0 W	Connected light source Envelope  Constitute the content of the con	-20+80 °C  LED  NDLS  NMLS  G4  No  No  No
	Connected light source Envelope High luminance light source  Conglistical DATA  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source	-20+80 °C  LED  NDLS  NMLS  G4  No  No  No  No
Networked standby power for CLS 0 W	Colstical Data  Temperature range at storage  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Connected light source (CLS)  Color-tuneable light source  Envelope  High luminance light source  Anti-glare shield	-20+80 °C  LED  NDLS  NMLS  G4  No  No  No  No  No  No
	Color-tuneable light source Envelope High luminance light source Anti-glare shield  Correlated colour temperature type	-20+80 °C  LED  NDLS  NMLS  G4  No  No  No  No  No  SINGLE_VALUE

Yes

Claim of equivalent power

Length	33.00 mm
Height	12 mm
Width	12 mm
Chromaticity coordinate x	0,458
Chromaticity coordinate y	0,410
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0,90
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1403247,522866
Model number	AC32120,AC24746,AC32120

#### Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

#### **DOWNLOAD DATA**

	Documents and certificates	Document name	
PDF	Declarations of conformity	LED PIN 20 NON-DIM 12V	
	Photometric and lighting design files	Document name	



Spectral power distribution 349927\_2700K\_EvI\_5630.eps

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075449985	Folding box	20 mm x 49 mm x 95 mm	14.80 g	0.09 dm <sup>3</sup>
4058075449992	Shipping box 30	119 mm x 109 mm x 104 mm	168.00 g	1.35 dm <sup>3</sup>
4058075450004	Shipping box 240	256 mm x 236 mm x 237 mm	1852.00 g	14.32 dm <sup>3</sup>

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

#### References / Links

- For dimming conformity see www.ledvance.com/dim
- For Guarantee see www.ledvance.com/guarantee

#### DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.